

FIG. 1

			t		t+	-1	t+	2	t+	3
			S	E	S	Ε	S	Е	S	Е
	Expected shipment quantity	ES	C)	15	50	17	'3	15	4
d Delivery center	Shipment quantity	SP	C)	8	0	C)	C)
	Actual inventory	AIS, AIE	0	0	300	220	415	415	457	457
	Standard inventory	SI	30	00	30	00	34	15	30	7
	Shipment quantity	SP	30	00	19	95	4	2	()
	Actual inventory	AIS, AIE	0	150	150	150	150	173	173	173
f	Standard inventory	SI	1	50	150		173		154	
Factories	Expected assembly	EA	3	00	1	95	1:	35	10	54
	Adjustment assembly	AA	1	50		0	_	70	-1	83
	Total assembly quantity	TA	4	50	1	95	6	55		0

FIG. 2

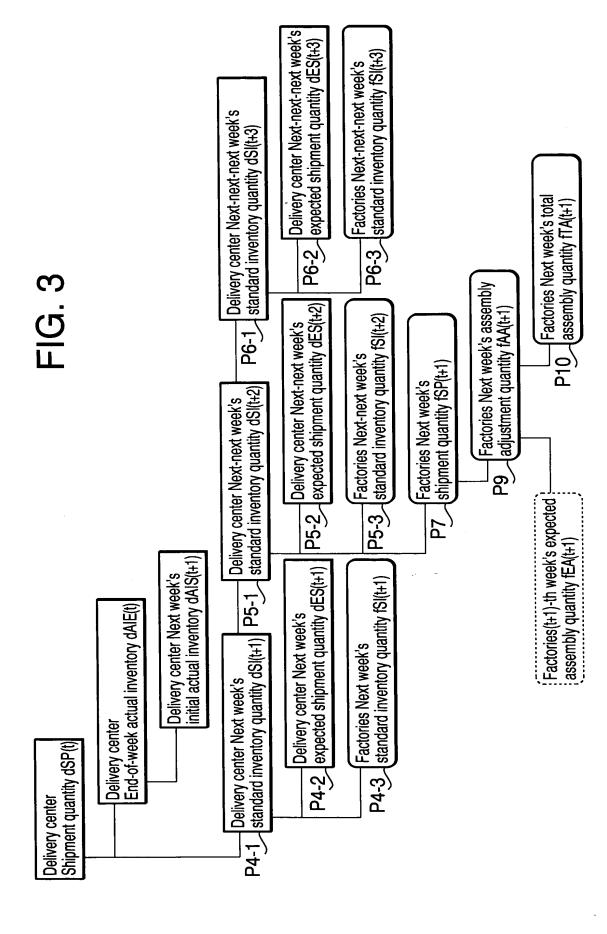


FIG. 4

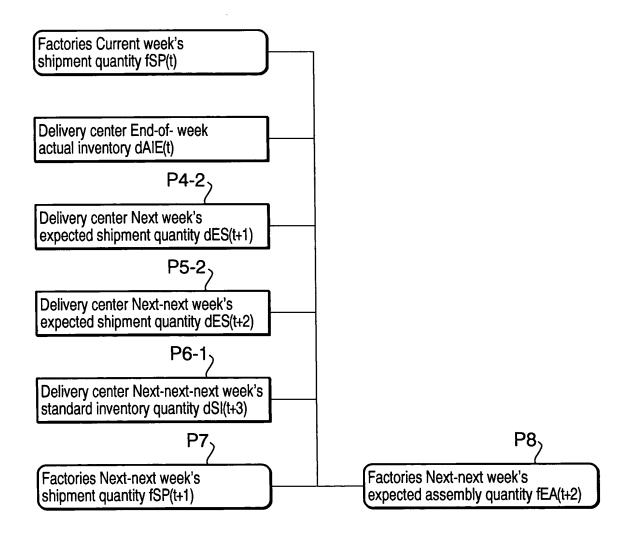


FIG. 5

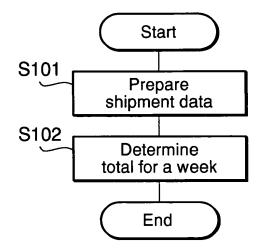


FIG. 6

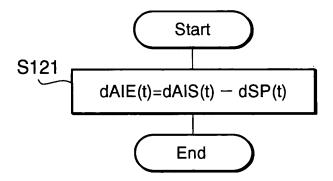


FIG. 7

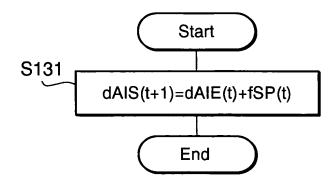


FIG. 8

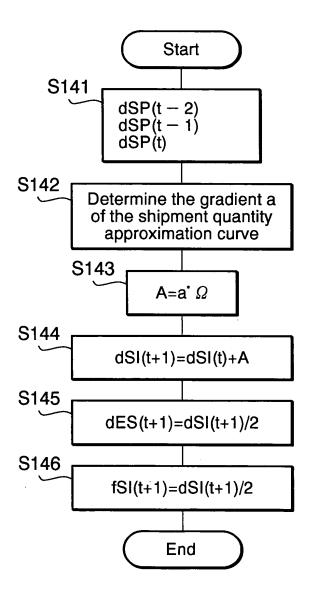


FIG. 9

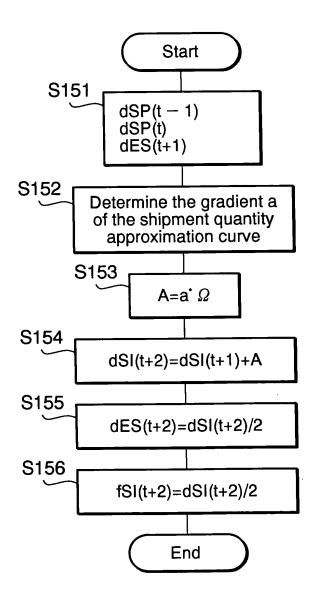


FIG.10

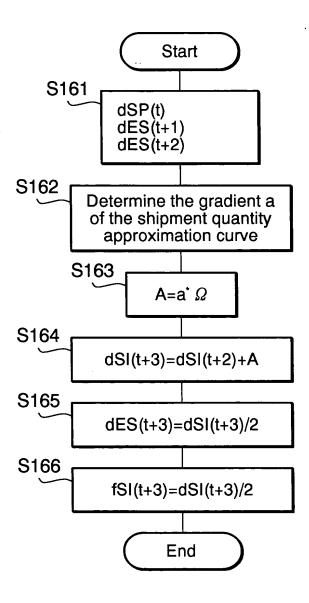


FIG.11

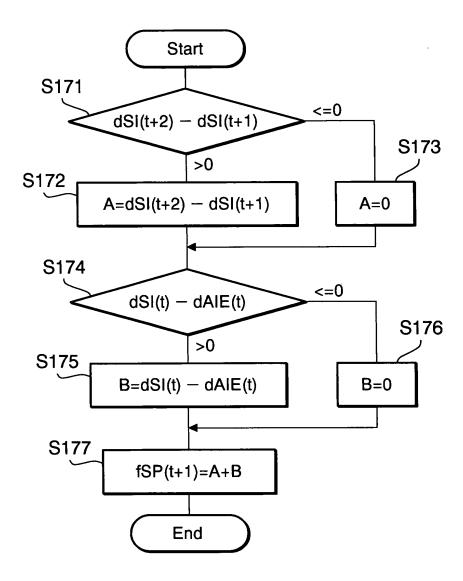


FIG.12

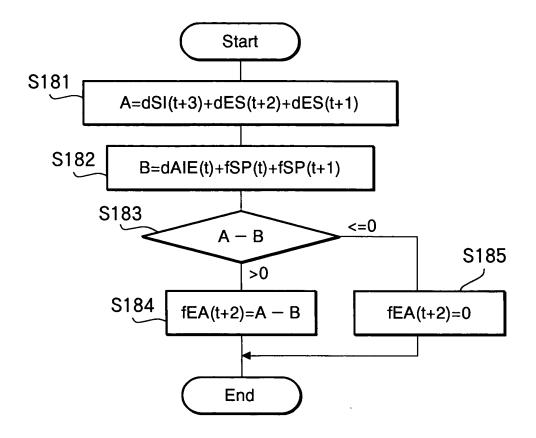


FIG.13

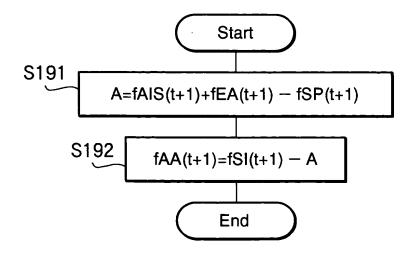


FIG.14

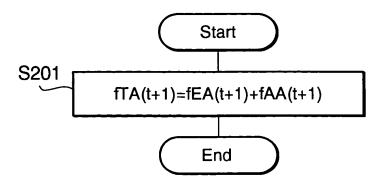


FIG.15

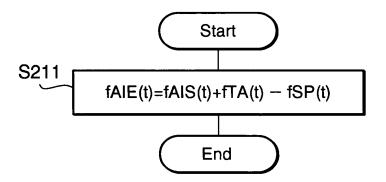
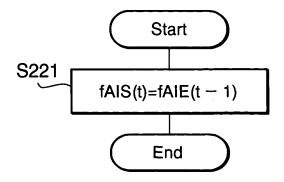


FIG.16



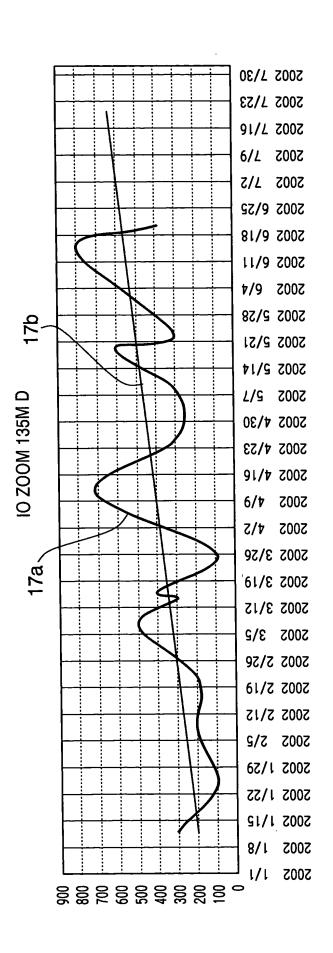


FIG.17

None-fluctuating standard inventory quantity case

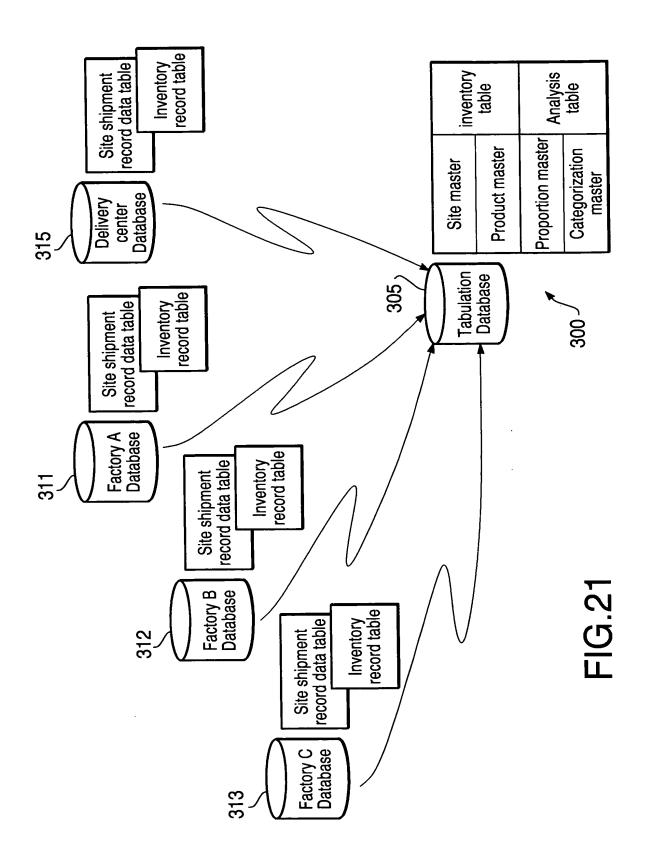
FIG.19

<u> </u>	Increasing standard inventory quantity case	iventory q	uantity	case						<u>.</u>						
			0		+		Ξ		t+2		t+3	<u></u>	t+4	4	1+2	
			S	ш	တ	ш	ဟ	ш	S	ш	တ	ш	တ	ш	S	ш
짫	Expected shipment quantity	ES	0		550	0	009		650		700		750		800	0
<u>F</u> B	Shipment quantity	SP	0	(715	2	780		845		910		975	2	1040	0
<u>i</u> . Ş	Actual inventory	AIS, AIE	0	0	1100	385	1035	255	1070	225	1270	360	1535	260	1700	099
ॐ.≧	Standard inventory quantity	SI	11	1100	1100	00	1200	0	1300	0	1400	0	1500	9	1600	g
							į		!	Ì						
ळ ठ	Shipment quantity	SP	11	1100	650	0	815	<u>.</u>	1045	က်	1175	ស	1140	9	1040	9
₽.⊑	Actual inventory	AIS, AIE	0	200	200	550	550	009	009	650	650	92	700	750	750	800
ಪ.⊑	Standard inventory quantity	IS	2(500	550	0	900		650	0	700	0	750	0	800	0
ு ஐ	Expected assembly quantity	EA	15	1500	815	വ	865	S	800	0	735	Z)	605	S.	575	ر ک
\ <u>₹</u> &	Adjustment assembly quantity	AA	1(100	-115	2	0		295	2	490	0	585	2	515	5
_∺ હ	Total assembly quantity	TA	16	1600	200	0	865	2	1095	5	1225	25	1190	8	1090	8
J																

FIG.20

case	
ory quantity	
ard inventory q	
dard inv	
ng standarc	
Decreasing	

	1 t+2 t+3 t+4 t+5	E S E S E	00 1200 1100 1000 900	90 1560 1430 1300 1170	490 2110 550 2460 1030 2680 1380 2350 1180	00 2400 2200 2000 1800	20 1910 1650 970 420	1300 1300 1200 1200 1100 1100 1000 1000	000 1200 1100 1000 900	20 900 280 0 0	910 1270 870 320	1810 1550 870 320
	t t+1	ES	1400 1300	1820 1690	980 2180	2800 2600	1200 1620	00 1400 1400 1300	1400 1300	1620 1520	-520 0	1100 1520
	0	SES	0	0	0 0 2800	2800	2800	0 1500 1500	1500	1500	2800	4300
			ES	SP	AIS, AIE	SI	SP	AIS, AIE	SI	EA	AA	TA
,			Expected shipment quantity	Shipment quantity	Actual inventory	Standard inventory quantity	Shipment quantity	Actual inventory	Standard inventory quantity	Expected assembly quantity	Adjustment assembly quantity	Total
				Delivery					•	Factories		



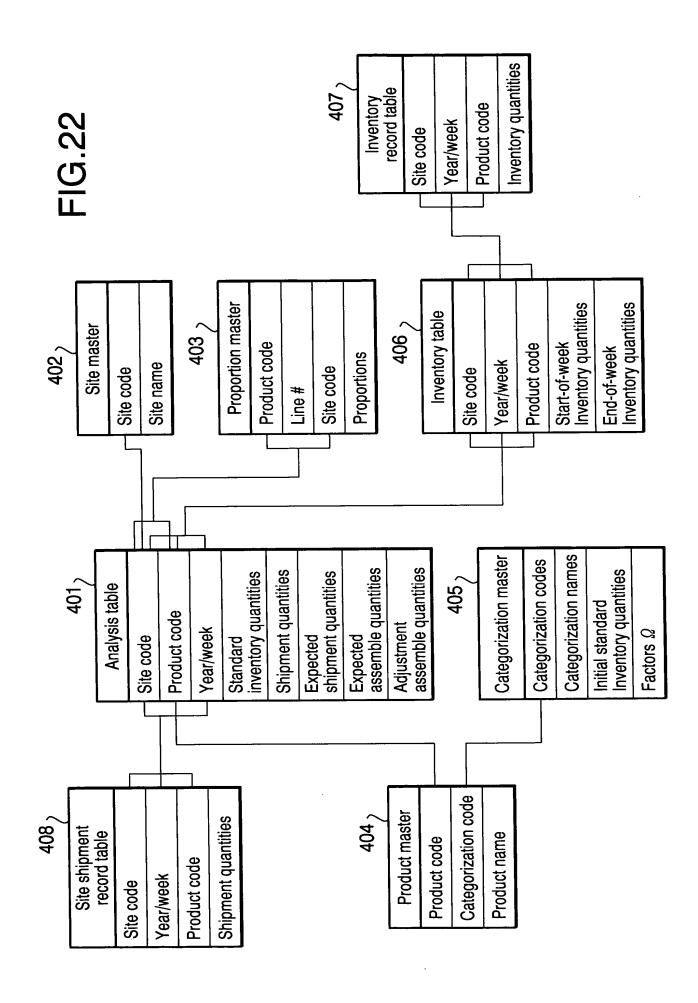


FIG.23

10460

			1		2		3		4	
			S	E	S	Ε	S	Е	S	E
. [Expected shipment quantity	ES	C)	75	50	13	13	11	72
d Delivery center	Shipment quantity	SP	C)	35	50	C)	0	
	Actual inventory	AIS, AIE	0	0	1500	1150	1675	1675	1689	1689
	Standard inventory	SI	15	00	15	00	26	25	23	44
	Shipment quantity	SP	30	00	52	25	1	4	()
	Actual inventory	AIS, AIE	0	150	150	150	150	263	263	263
f Factory A	Standard inventory	SI	15	50	15	50	20	53	23	34
Factory A	Expected assembly	EA	3(00	6	15	7	16	4	17
	Adjustment assembly	AA	150		-	90	-5	89	-4	46
	Total assembly quantity	TA	450		5:	25	1:	27	0	
									·	
	Shipment quantity	SP	12	200	21	00	5	55		0
	Actual inventory	AIS, AIE	0	600	600	600	600	1050	1050	1050
f Factory B	Standard inventory	SI	6	00	6	00	10)50	9	38
8	Expected assembly	EA	12	200	24	460	28	366	16	67
	Adjustment assembly	AA	6	00	-3	360	-2	361	-1	779
	Total assembly quantity	TA	18	300	21	100	5	05		0

Site shipment record table

Site code	Year/week	Product code	Shipment quantities	408
18021	200202	1369	195	
19000	200202	1369	80	
18021	200202	10460	525	
18031	200202	10460	2100	
18031	200202	27697	38	
19000	200202	10460	350	
19000	200202	27697	10	

Site master

Site code	Site name	402
19000	Delivery center	
18001	Factory C	
18021	Factory A	
18031	Factory B	

FIG.24

Propotion master

Product code	Line #	Site code	Proportions	403
1369	1	18021	10	
10460	1	18021	2	
10460	2	18031	8	
27697	1	18031	10	

Inventory table

inventory tab	IE				
Site code	Product code	Year/week	Start-of-week Inventory quantities	End-of-week Inventory quantities	406
18021	1369	200201	0	150	
18021	1369	200202	150	150	
18021	1369	200203	150	173	
19000	1369	200201	0	0	
19000	1369	200202	300	220	
19000	1369	200203	415	415	
18031	27697	200201	0	25	
18031	27697	200202	25	25	
18031	27697	200203	25	32	
19000	27697	200201	0	0	
19000	27697	200202	50	40	
19000	27697	200203	78	78	
18021	10460	200201	0	150	
18021	10460	200202	150	150	
18021	10460	200203	150	263	
18031	10460	200201	0	600	
18031	10460	200202		600	ŀ
18031	10460	200203	600	1050	1
19000	10460	200201	0	0	1
19000	10460	200202		1500	Į
19000	10460	200203	1675	1675	

FIG.25

Product master

404

Product code	Categorization code	Product name
1369	100	SLR – B
10460	300	Compact zoom A
27697	500	Zoom lens 28 – 90mm

Categorization master

405

Categorization codes	Categorization names	Initial standard Inventory quantities	Factors Ω
100	Single-lens reflex camera	300	0.3
200	Compact camera	1000	1
300	Compact zoom camera	1500	1.5
400	Digital camera	2000	2
500	Lens	50	0.5

FIG.26

FIG.27

